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(54) POLYESTER RESIN SHEET-SHAPED BODY

(57)Abstract:

PURPOSE: To make it possible to impart anti-static properties to a sheet-shaped body without lowering the toughness of the body by causing the body to comprise a resin layer comprising a thermoplastic polyester resin and a mica powder as essential constituents and a conductive layer.

CONSTITUTION: A thermoplastic polyester ressn used as an essential constituent is a resin capable of being formed into a sheet shape, and is preferably PET or PBT. A mica powder can be appropriately selected from a phlogopite powder, a muscovite powder and the like. Since the particle diameter and aspect ratio of the mica powder have effects on the stiffness, heat resistance and shape performance of a polyester resin sheet-shaped body obtained, it is preferable that the mica powder has a weight average particle diameter of 15-500 μ m and a weight average aspect ratio of at least 10. A conductive layer is preferably is resin layer comprising conductive carbon black as an essential constituent and capable of being adhered to or layered on a sheet comprising the polyester resin and the mica powder, a resin film layer formed by application of a conductive ink, a conductive layer using a metallic foil, or a conductive layer comprising long metallic fibers.

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